

Abstract

Apparatus for singulating flat articles

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The invention relates to apparatus for singulating flat
articles which are transported on-edge as a stack (12) on a
controllably driven conveyor (3) with a stack support (4) to
the take-away station where the frontmost article (1) is taken
10 away horizontally in a plane perpendicular to the feeding
direction. The conveyor (3) and the stack support (4) are
driven in a separately controlled manner. Detectors at
different heights for determining the position of the frontmost
article (1) can be individually moved horizontally in a plane
15 perpendicular to the take-away reference plane in a controlled
manner. The drives of the detector, of the conveyor (3) and of
the stack support (4) can be controlled as a function of the
ascertained position of the frontmost article (1) in such a way
that when the stack (12) is transported to the take-away
20 station the frontmost article (1), supported by the detectors,
is fed to the take-away station virtually parallel to the take-
away reference plane (10) with low stack pressure measured by
the detectors.

25 FIG 1